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Q: Are your Operational Technology Systems Secure?

A: Don't ask. Know.

Knowing beats wondering.

Xylem's Cybersecurity Assessment services offer multiple types of affordable expert analyses of Operational Technology systems, with actionable remediation recommendations to ensure secure digital transformation.

Now is the time to invest in cybersecurity.

Cybercrime to Cost $10.5 T by 2025
Cybercrime is predicted to cost the world $8 trillion USD / 7.5T € in 2023, and reach $10.5T USD / 9.8T € by 2025, up from $3T USD / 2.8T € in 2015[1]

150 Vulnerable Products
Used in water and wastewater systems[4]

3rd Most Targeted Sector
When compared to other critical infrastructure[6]

Number of Threat Actors Increasing
7 threat actors shown to specifically target water and wastewater infrastructure globally[2,3]

20,000 Utility Employees
Fear that cyber threats could have the biggest impact on operations[5]

$18.2 Million USD / 17.5 Million €
Lost due to the 2019 ransomware attack against a single water utility[7]

1. Morgan, S. 2023, July 28). Top 10 Cybersecurity Predictions And Statistics For 2023. Cybersecurity Ventures. https://cybersecurityventures.com/top-5-cybersecurity-facts-figures-predictions-and-statistics-for-2021-to-2025/ 2. YouTube. (2021, May 21). Building Cyber Security in the Water and Wastewater Industry [Video]. https://youtu.be/RhKRu5egoZo 3. Baseline Information on Malevolent Acts for Community Water Systems. (2022, June). EPA. https://www.epa.gov/waterriskassessment/baseline-information-malevolent-acts-community-water-systems 4. Sreedhar, B.. & Bhatnagar, S. (2020, August). Industrial Control System Security Market - Global Forecast to 2025 (TC 3075). Markets and Markets. 5. Germano, J. H. (2019). Cybersecurity Risk & Responsibility in the Water Sector". American Waterworks Association. https://www.awwa.org/Portals/0/AWWA/Government/AWWACybersecurityRiskandResponsibility.pdf?ver=2018-12-05-123319-013 6. Hassanzadeh, A., Rasekh, A., Galelli, S., Aghashahi, M., Taormina, R., Ostfeld, A., & Banks, M. K. (2020). A Review of Cybersecurity Incidents in the Water Sector. Journal of Environmental Engineering, 146, 1. 7. Duncan, I. (2019, May 29). Baltimore estimates cost of ransomware attack at $18.2 million as government begins to restore email accounts". The Baltimore Sun. https://www.baltimoresun.com/maryland/baltimore-city/bs-md-ci-ransomware-email-20190529-story.html

The Four-Pronged Approach to Xylem Cybersecurity Assessment

ARCHITECTURE REVIEW

- Confirms adequate defense-in-depth controls and comprehensive safeguards are in place
- Evaluates existing system data flows against typical threat susceptibilities
- Provides prioritized roadmap of actionable advice and security safeguards

VULNERABILITY REVIEW

- Prioritizes and manages risks from vulnerabilities across a diverse inventory of digital technology and in a timely manner
- Reassures that OT's security posture is being maintained / sustained
- Provides updates of software packages to account for vulnerabilities uncovered over time

MATURITY ASSESSMENT

- Provides recommendations for having the right people, process and capabilities to digitize infrastructure and processes compared to peers / industry standards
- Receive prioritized output emphasizing focus areas for secure digital transformation

HEALTH CHECK

- Assures solutions are still securely deployed
- Receive actionable recommendations for bringing solutions into a secure state in the context of a system's secure deployment
- Recommended more frequently to account for systems vulnerabilities uncovered over time

Xylem's Cybersecurity Assessments provide the confidence for secure digital transformation.

LEVERAGE XYLEM'S WATER INFRASTRUCTURE AND CYBERSECURITY EXPERTISE

"All too often, ...the CEO of the Water Agency... [is] usually not critical enough on their IT staff to be able to push back when the team says 'we're doing great.' This is where we need that independent 3rd party to help speak truth."
-- Board director for a mid-size water utility

"My philosophy in terms of cybersecurity of new digital technology is we don't say 'no' we're going to say 'yes, but'. And that is where we need more cybersecurity expertise."
-- Director of cybersecurity at a mid-sized water utility

The time is now.

Contact us at product.security@xylem.com to start your cybersecurity assessments. For more information, visit us at xylem.com/security.

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